



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090798

Mode: Highway

Status: Submitted

NC-53 (Western Boulevard)

From/Cross Street: US 17 (Marine Boulevard)

Specific Improvement Type: 11 - Access Management

To: NC 24 (Lejeune Boulevard)

Project Category: Regional Impact

Length: 2.55

TIP#: FS-1003A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$14,195,000

Description:

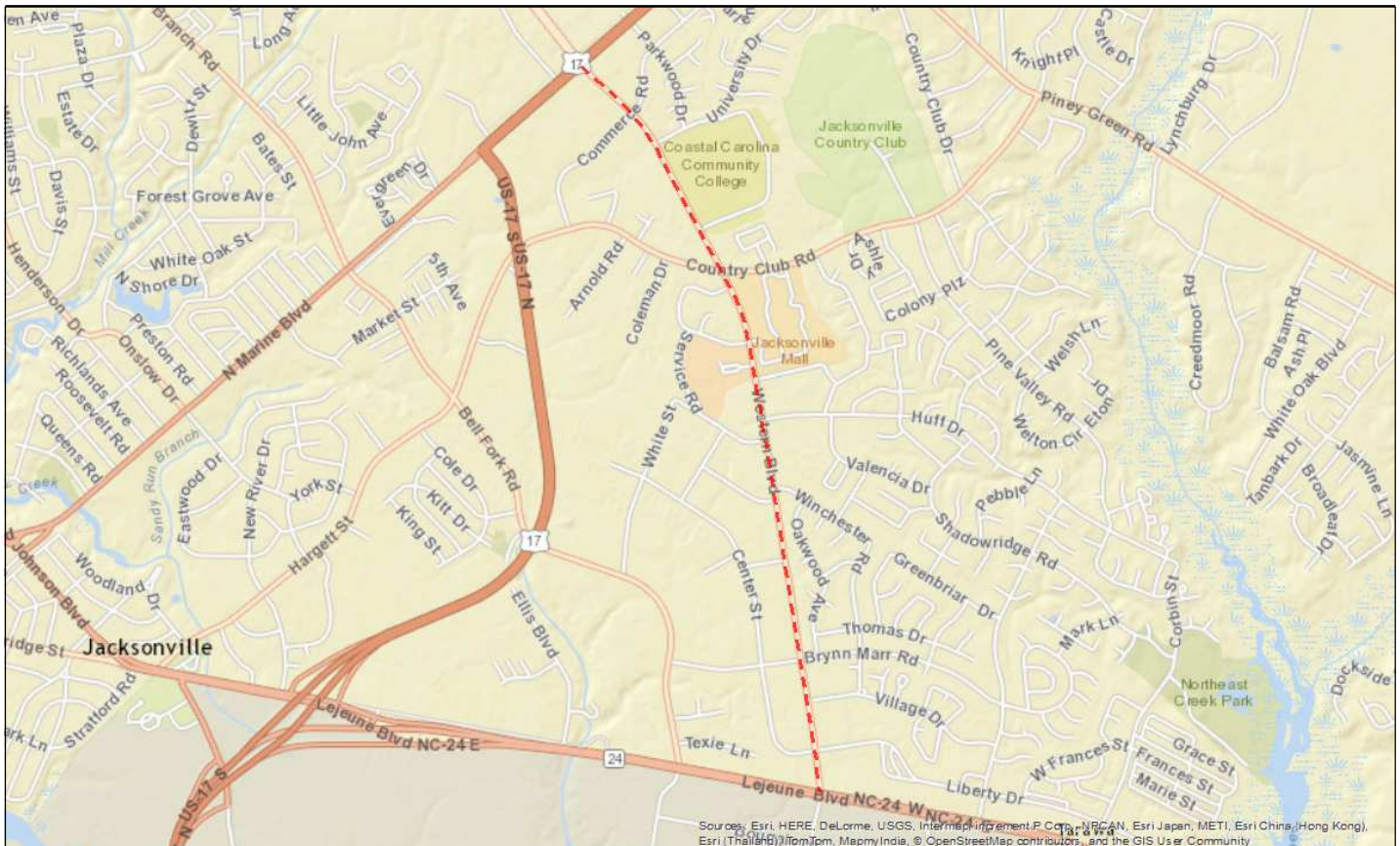
Construct Median, intersection and Access Management Improvements from US Hwy 17 to NC Hwy 24 including Drainage Improvements at the NC Hwy 24 and Western Boulevard intersection.

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 59.53

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 84.60 Multimodal + [Freight & Military] (25%) 33.60 [Travel Time] Benefit/Cost (20%) 14.17	Percent: 15% Points: 81	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 32.38		

Division Needs Total Score: 62.98

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 88.49 Safety (20%) 84.60 Multimodal + [Freight & Military] (10%) 33.60	Percent: 25% Points: 100	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 37.98		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	43
Length (miles):	2.55
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	38594.53
Capacity:	31700
Volume/Capacity Ratio:	1.22
% Autos:	98%
% Trucks:	2%
Truck Volume:	632.57
Crash Density:	99.8
Crash Severity:	60.71
Critical Crash Rate:	93.3
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	97
Actual Congested Speed:	26.64
Travel Time Index:	1.63

Project Benefits

Project Cross-Section:	6F - 6 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.55
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	9080296.44
Travel Time Savings for 30 Years (Autos):	8931468.91
Travel Time Savings for 30 Years (Trucks):	148827.53
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	81	100
	0%	0	0
	0%	0	0
TOTAL Division Points		81	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$13,452,000	TIP Unit
Right-of-Way Cost:	\$663,000	Cost Estimation Tool
Utilities Cost:	\$80,000	Cost Estimation Tool
Total Project Cost:	\$14,195,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$14,195,000	